

## **ABSTRACT OF THE DISCLOSURE**

[0068] A method for improved imaging of ultrasound contrast agent using dual frequency band transmitted pulses is described. The method is based on transmitting a dualband pulse consisting of two frequency bands, preferably a fundamental band and its second harmonic band. In addition, a general pulse inversion method is applied to  
5 reduce or cancel first order nonlinear harmonic tissue signal components introduced due to the transmission of dualband pulses.